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 Scott Moser, Jim Martin

March 2006 ACM-SE 44: Proceedings of the 44th annual Southeast regional conference

Publisher: ACM

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In previous work a DOCSIS model was added to 'ns' to allow simulations to be run to analyze the performance of DOCSIS. These simulations showed that congestion caused by the asymmetric data paths and the MAC contention process caused several performance ...

Keywords: DOCSIS, TCP performance, broadband access, cable networks, data over cable

2 DOCSIS performance evaluation: piggybacking versus concatenation

 Stefen Howard, Jim Martin

March 2005 ACM-SE 43: Proceedings of the 43rd annual Southeast regional conference -

Volume 2, Volume 2

Publisher: ACM

Full text available: [pdf\(609.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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Demand for high-speed internet access is growing rapidly and new technologies have been developed to supply broadband access to homes and small businesses. One of these technologies, DOCSIS, delivers high-speed internet connections through existing cable ...

Keywords: DOCSIS, TCP performance, broadband access, cable networks, data over cable

3 Simulation versus analytic-numeric methods: illustrative examples

B. Tuffin, P. K. Choudhary, C. Hirrel, K. S. Trivedi

October 2007 ValueTools '07: Proceedings of the 2nd international conference on Performance evaluation methodologies and tools

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available: [pdf\(198.22 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

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Performance along with dependability analysis is a tremendous challenge in the design or improvement of modern complex systems. Two different classes of solution methods are



generally used: analytic-numeric methods and simulation methods. As most of ...

Keywords: analytic-numeric methods, performance evaluation, simulation

4 Network and service management for wide-area electronic commerce networks

Symeon Papavassiliou

March 2001 International Journal of Network Management, Volume 11 Issue 2

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(416.91 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 107, Citation Count: 0

This paper focuses on the effective management of wide‐area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright ...

5 Characterizing residential broadband networks

 Marcel Dischinger, Andreas Haeberlen, Krishna P. Gummadi, Stefan Saroiu

October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement

Publisher: ACM

Full text available:  pdf(728.98 KB) Additional Information: full citation, abstract, references, index terms

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A large and rapidly growing proportion of users connect to the Internet via residential broadband networks such as Digital Subscriber Lines (DSL) and cable. Residential networks are often the bottleneck in the last mile of today's Internet. Their characteristics ...

Keywords: broadband access networks, cable, dsl, network measurement

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